## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

: National Phase Entry of PCT/DE2004/001794 10/567411

Applicant

: Markus ZABEL et al

Filed

: February 6, 2006

IAPZO ROS'O PETAPTO 06 FEB 2006

TC/A.U.

Examiner

Docket No.

: 3286-102

Customer No.

: 6449

Confirmation No.

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with applicants duty of disclosure under 37 C.F.R. 1.56, enclosed is a copy of the International Search Report in the corresponding international application. References 1, 13, 17 and 18 are cited in the International Search Report. The relevance of the references is noted in the International Search Report. We understand that the references have been forwarded by the International Bureau, and are available to the Examiner, but if the Examiner needs copies of any of the references not attached, the Examiner is requested to advise counsel accordingly. Copies of the additional non - U.S. references cited on Form 1449 are enclosed.

U.S. Patent 5,410,473 is the English equivalent of DE 42 43 889 A1 and U.S. Patent 5,107,849 is the English equivalent of DE 42 13 788 A1.

Copies of References 21-28 will follow as soon as we receive them from the applicant.

In the event that any fees are due with this paper, please charge our Deposit Account No. 02-2135.

Respectfully submitted,

Robert B. Murray

Attorney for Applicant

Registration No. 22,980

ROTHWELL, FIGG, ERNST & MANBECK

1425 K. Street, Suite 800 Washington, D.C. 20005

Telephone: (202) 783-6040

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				Complete if Known			
				Application Number	New Transfer 411		
	TION DISC			Filing Date	February 6, 2006		
STATEME	NT BY API	PLICAI	N I	First Named Inventor	Markus ZABEL et al		
				Group Art Unit			
				Examiner Name			
				Confirmation No.			
Sheet	1	of	4	Attorney Docket Number	3286-102		

			U.S. F	PATE	ENT DOCUMENTS	
Examiner Cite Initials* No.1		U.S. Patent D	Vocument  Kind Co		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	1.	5,377,687		Α	Evans et al	1/3/95
	2.	5,711,304	-	Α	Dower	1/27/98
	3.	5,161,539		Α	Evans et al	11/10/92
	4.	6,358,214		Α	Tereschouk	3/19/92
	5.	6,505,067		Α	Lee et al	1/7/03
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	7.	5,058,598			Nicklas et al	10/22/91
	8.	4,850,370			Dower	7/25/89
	9.	5,410,473		Α	Kaneko et al	4/25/95
	10.	5,107,849		Α	Bellin et al	4/28/92

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

## APARTO DE FEB 2000

				Complete if Known			
				Application Number	New Addication 411		
INFORMA				Filing Date	February 6, 2006		
STATEME	NIBYAP	PLICAI	NI	First Named Inventor	Markus ZABEL et al		
				Group Art Unit			
				Examiner Name			
				Confirmation No.			
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			FOREIG	N PATE	ENT DOCUMENTS	 3		
		F	Foreign Patent Document				Date of Publication	
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup> Code		nd⁵ <i>(nown)</i>	Name of Patentee Cited Do	e or Applicant of cument	of Cited Document MM-DD-YYYY	T <sub>e</sub>
	11.	DE	42 43 889	A1	Fukuda Denshi k	ζ. K.	7/8/93	
	12.	DE	42 13 788	A1	Bellin et al	1	10/28/93	
	13.	EP	1 221 299	A2	GE Medical Syst Information	ems	7/10/02	
	14.	EP	0 818 016	B1	Dower		5/26/99	
	15.	EP	0 512 719	B1	Physio-Control C	Corp.	1/22/97	
	16.	RU	2 077 865	C1			4/27/97	АВ
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MAIKOWSKI&	NINNEMAN	N		Con	nplete if Known Page 8
				Application Number	New <b>367</b> 67 64 1 1
	TION DISC			Filing Date	February 6, 2006
STATEMENT BY APPLICANT				First Named Inventor	Markus ZABEL et al
				Group Art Unit	
				Examiner Name	
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	· · · · · · · · · · · · · · · · · · ·	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	17.	R.L. Lux, et al, "Clinically Practical Lead Systems for Improved Electrocardiography: Comparison with Precordial Grids and Conventional Lead Systems", Pgs. 356-363, Circulation, American Heart Association, 1979, vol. 59, no. 2.	
	18.	A. Murray et al, "Simplified body-surface electrocardiographic maps with depolarization magnitude and direction, Pgs. 235-242, Physiol. Meas. 15, 1994	
	19.	J. Kors et al., "Improved Spatial Sampling of ECG Potentials on the Body Surface by Repositioning Electrodes from the Standard 12-lead ECG, pgs. 29-32, IEEE Computers in Cardiology 28, September 2001	
	20.	Bruno Taccardi, "Distribution of Heart Potentials on the Thoracic Surface of Normal Human Subjects, pgs. 341-352, Circulation Research Vol. XII, April 1963.	
	21.	A.P. Michaelides et al. "Improved detection of coronary artery disease by exercise electrocardiography with the use of right precordial leads", Pgs: 381-385, N. Eng. J. Med. 340(5), 1999	
	22.	Flowers et al, "Body Surface Potential Mapping, pgs. 737-746, Chapter 82 in "Cardiac Electrophysiology - From Cell to Bedside".	
	23.	Lux et al., "Clinically Practical Lead Systems for Improved Electrocardiography Comparison with Precordial Grids and Conventional Lead Systems, pgs. 356-363, Circulation, American Heart Association 1979.	
	24.	Michaelides et al., "Improved detection of coronary artery disease by exercise electrocardiography with the use of right precordial leads", pgs. 340-345 and pgs. 381-385, N. Eng. J. Med., 340(5), 1999.	
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	27.	Stroink et al., "Cardiomagnetism", pgs. 136-189, in Magnetism in Medicine, W. Andrä and H. Nowak, 1998.	

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				Application Number	New Appl 557 of 11	
	TION DISC			Filing Date	February 6, 2006	
STATEMENT BY APPLICANT				First Named Inventor	Markus ZABEL et al	
				Group Art Unit		
				Examiner Name		
				Confirmation No.		
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	28.	Jazbinset et al., "Cardiac multichannel vector MFM and BSPM of front and back thorax", Proceedings Int. Conf., BIOPMAG 02, in press.					
Examiner		Date					

Considered

Signature

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.